SANTO

Electronic Refrigerator/Freezer

Kühl-/Gefrierkombination electronic

Elektronische koel-/vriescombinaties

Operating Instructions

Gebrauchsanweisung

Gebruiksaanwijzing

818 36 23-02/7

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Dear customer,

Before placing your new refrigerator/freezer into operation please read these operating instructions carefully. They contain important information for safe use, for installation and for care of the appliance.

Please keep these operating instructions for future reference. Pass them on to possible new owners of the appliance.

Notes which are important for your safety or for the proper functioning of the appliance are stressed with a warning triangle and/or with signal words **(Warning!, Caution!, Important!)**. Please observe the following carefully.

☞ **1.** This symbol and numbered instructions guide you step by step in the operation of the appliance.

2. .....

Supplementary information regarding operation and practical uses of the appliance appear after this symbol.

Tips and notes concerning economical and environmentally sound use of the appliance are marked with the cloverleaf.

Explanations of the technical terminology used in the operating instructions can be found at the end in the section "Technical Terminology".

The operating instructions contain instructions for the correction of possible malfunctions by the user in the section "What to do if ...". If these instructions should not be sufficient, please contact your local AEG Service Force Centre.

Printed on paper manufactured with environmentally sound processes.
he who thinks ecologically acts accordingly ...

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⚠ Important Safety Instructions

The safety of our appliances is in accordance with recognised technological standards and appliance safety legislation. We nevertheless feel that it is important to acquaint you with the following safety guidelines:

Use for Intended Purpose

- The appliance is intended for use at home. Depending on the preset operation mode, this appliance becomes suitable for cooling, freezing, for frozen storage of foods or for ice preparation. The manufacturer assumes no liability for damages occurring through improper operation or use of the appliance for unintended purposes.
- Alterations or changes to the appliance are not permitted for reasons of safety.
- If you should use this appliance in a commercial application or for purposes other than cooling, freezing, or frozen storage of foods, please observe all valid legal regulations for your application.

Prior to initial start-up

- Check the appliance for transport damage. Do not under any circumstances connect a damaged appliance! Please contact your supplier in the event of damage.
- Make sure that the power plug is not squashed or damaged by the back of the appliance. A damaged power plug may overheat and cause a fire.
- If the power plug socket is loose, do not insert the power plug. There is a risk of electric shock or fire.

Refrigerant

The refrigerant isobutane (R600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable.

- **Warning -** During transportation and installation of the appliance, be certain that none of the components of the refrigerant circuit become damaged.
- If the refrigerant circuit should become damaged:
  – avoid open flames and sources of ignition;
  – thoroughly ventilate the room in which the appliance is situated.

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Safety for Children

- Packaging materials (e.g. films, styrofoam) can be dangerous for children. Danger of suffocation! Keep packaging materials away from children!
- Before disposing of old appliances make them inoperable. Remove plug from mains, sever the power cable, remove or destroy any snap or latch closures. This eliminates the danger that playing children lock themselves into the appliance (danger of suffocation!) or place themselves into other life-endangering situations.
- Children often do not recognise the dangers involved with household appliances. Please provide for the necessary supervision and do not allow children to play with the appliance! Inform children of the possible dangers and instruct them in the correct use of the appliance.

Daily Operation

- Containers with flammable gases or fluids can develop leaks through contact with the cold. Danger of explosion! Do not store containers with flammable substances, such as aerosol cans, refill cartridges for cigarette lighters etc. in the appliance.
- Bottles and cans may not be placed in the freezer compartment. They can burst when the contents freeze - or even explode if the contents contain carbonic acid! Never place sodas, juices, beer, wine, champagne etc. into the freezer compartment. Exception: Spirits with high alcohol content may be stored in the freezer compartment.
- Do not place ice cream or ice cubes directly from the freezer compartment into the mouth. Very cold ice can freeze to the lips or tongue and cause injury. Inform children of this danger.
- Never touch frozen goods with wet hands. Hands can freeze to the goods.
- **Warning** - Do not operate any electrical appliances in the appliance (e.g. electric ice cream makers, mixers etc.).
- **Warning –** Do not cover or obstruct the ventilation openings as this will impair the operation of the appliance.
- **Warning** - Do not use any mechanical devices or other artificial means to speed up defrosting unless they are recommended by the manufacturer.
- Before cleaning the appliance switch off and remove the plug from the mains, or switch off or turn out the circuit breaker or fuse.
- Placing frozen goods on the top of the appliance can lead to the accumulation of condensation on the top panel through contact with

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the cold. Electronic components are housed within this top panel. If water should drip onto these components, the appliance could be damaged by a short circuit. For this reason do not place frozen goods on top of the appliance.

- Do not remove the power cord by pulling on its lead, particularly when the appliance is being pulled out of its niche. Damage to the cord may cause a short circuit, fire and/or electric shock.
- Do not place heavy articles or the appliance itself on the power cord. There is a risk of a short circuit and fire.
- If the power cord is damaged, it must be replaced by a certified service agent or qualified personnel.

In case of malfunction

- If a malfunction should occur at the appliance, refer first to the section "What to do if ..." in these operating instruction. If the instructions in this section are not sufficient, do not undertake any further work on your own.
- Refrigerators or feezers may only be repaired by trained personnel. Repairs carried out by untrained personnel can lead to substantial danger. Please contact your dealer or our customer service department for repairs.

Environmental Information

Packaging material
The packaging materials are environmentally friendly and can be recycled. The plastic components are identified by markings, e.g. >PE<, >PS<, etc. Please dispose of the packaging materials in the appropriate container at the community waste disposal facilities.

Old appliance

The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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When disposing of your old appliance:

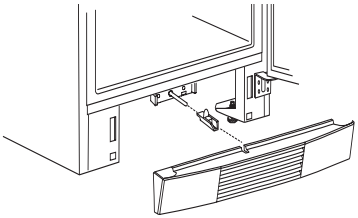
- Make the appliance unusable by cutting off the cable and remove any door catches to ensure small children cannot be trapped inside.
- The appliance may not be disposed of with domestic waste or bulky refuse.
- The refrigerant circuit, especially the heat exchanger at the back of the appliance, may not be damaged.

Help to keep your country tidy - use an authorised disposal site.

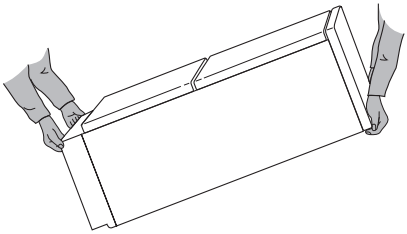
Appliance Transport

Two persons are required to transport the appliance. Two handles are provided on the back of the appliance at the top to enable a better hold. Before transporting, the plinth cover must be removed to prevent damage.

☞ **1.** To remove the plinth cover from the stops, tilt downwards and then pull forwards.
Important: Do not damage door contact (if present)

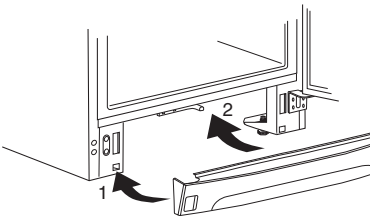


2. Grip the appliance with the recessed handles positioned as in the drawing, and transport the appliance.



3. In order to push the appliance into its final position, press carefully at the top of the door and tip the appliance back slightly. The weight is thus transferred to the back wheels and the appliance can be easily pushed.

4. When the appliance is standing in the desired place, attach the plinth cover. First hook at the hitches on the lower edge, then press the grid in position. Make sure that the door contact (if present) is not damaged and that it engages in the corresponding aperture in the plinth cover.



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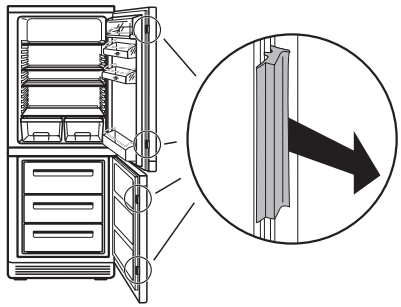
Before Use

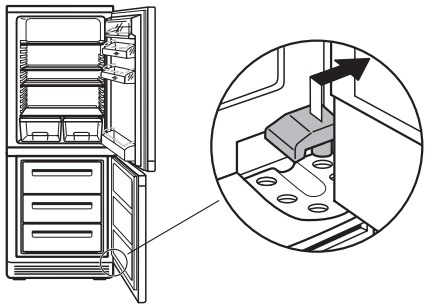
Packaging

☞ **1.** Remove all adhesive tape and packaging from the interior of the appliance.

ℹ Any remnants of adhesive can be removed with white spirit.

2. Remove the transport protection pieces and pull off the adhesive tape.





3. Wash the inside of the appliance with lukewarm water with a little bicarbonate of soda added (5 ml to 0.5 litre of water). Do not use soap or detergent as the smell may linger. Dry the appliance thoroughly.

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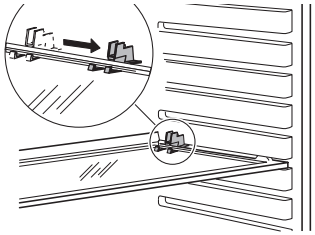
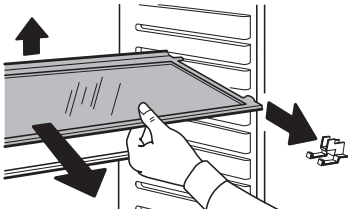
Remove the transport fittings from the storage shelves:

4. Slide the fittings securing the shelf forward to the thicker section on the edge of the storage shelf.
5. Slide the storage shelf far enough forward so that it can be hinged downwards and the fittings can be removed from the guides.





Fitting the Door Handles

To keep the amount of packaging down and to reduce the size for transporting, the door handles are not mounted when the appliance is delivered.

Caution! Do not overtighten the screws (max. 2 Nm) as you may damage the door handles.

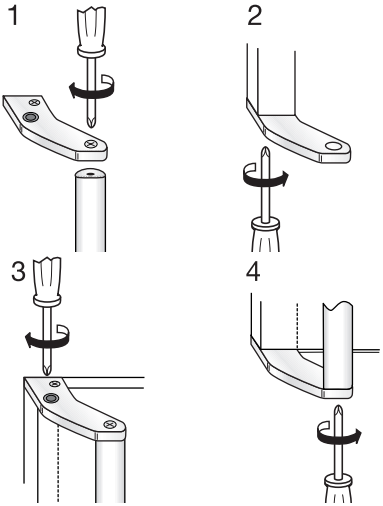
The handles are packed separately on the padding in front of the door, the brackets and screws inside the appliance.

To mount, lay the appliance carefully on its back, if necessary. Use a piece of padding or a blanket as protection under the appliance.

☞ 1. Screw the top door bracket to the door handle (1). Mount the bottom door bracket to the bottom of the door (2).

Important: Ensure door handle is correctly positioned

2. Mount top door bracket on the top of the door (3) and screw handle to bottom door bracket (4).



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Installation

Installation Location

The appliance should be installed in a well ventilated, dry room.

Energy use and efficient performance of the appliance is affected by the ambient temperature.

The appliance should therefore
– not be exposed to direct sunlight;
– not be installed next to radiators, cookers or other sources of heat;
– only be installed at a location whose ambient temperature corresponds to the climate classification, for which the appliance is designed.

The climate classification can be found on the rating plate, which is located at the left on the inside of the appliance.
The following table shows which ambient temperature is correct for each climate classification:

Climate classification	for an ambient temperature of
SN	+10 to +32 °C
N	+16 to +32 °C
ST	+18 to +38 °C
T	+18 to +43 °C

If installation next to a source of heat is unavoidable, the following minimum clearances must be maintained at the sides of the appliance:
– for electric cookers 3 cm;
– for oil and coal fired ranges 30 cm.
If these clearances cannot be maintained a heat insulating pad is required between the cooker and the refrigeration appliance.

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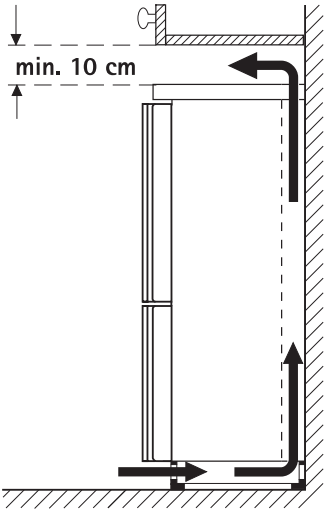
The refrigerator/freezer needs ventilation

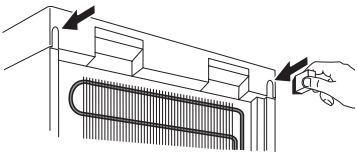
Air is fed under the door through the vent slots in the base and is exhausted upwards along the back wall. To ensure proper air circulation never cover or alter the vent openings.

Important! If the appliance is installed under a hanging cabinet, a clearance of at least 10 cm between the top of the appliance and the cabinet above it must be maintained.

Please check whether, after installing your appliance and especially after reversing the door, the door seal seals tightly. A badly fitting door seal may lead to heavy frosting and a higher power consumption (see also "What to do if ...").



Remove the two wall spacers from the appliance accessories pack and, in accordance with the illustrations, fix them at the top of the rear of the appliance so that the distance from the wall required for the necessary ventilation is ensured.



Appliance Alignment

☞ **1.** The appliance must be level. Please compensate for unevenness in the floor by turning the two adjustable feet at the front.

Electrical Connection

A properly installed socket outlet with earthing contact is required for electrical connection. Electrical fuse protection must be of at least 10 ampere.
If the outlet socket is no longer accessible after installation of the appliance, appropriate measures must be taken during electrical installation to assure that the appliance can be disconnected from the mains (e.g. fuse, circuit breaker, non-operate current safety-switch or the like, with a contact opening of at least 3 mm).

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☞ **1.** Before initial start-up, refer to the appliance rating plate to ascertain if supply voltage and current values correspond with those of the mains at the installation location.
e.g.: AC 220 ... 240 V 50 Hz or
220 ... 240 V~50 Hz
(i.e. 220 to 240 volts alternating current, 50 Hertz)
The rating plate is inside the appliance at the left.

Warning: To avoid potential danger, if the mains connection lead of this appliance is damaged, it must be replaced by our customer service representative or a person with similar qualifications.

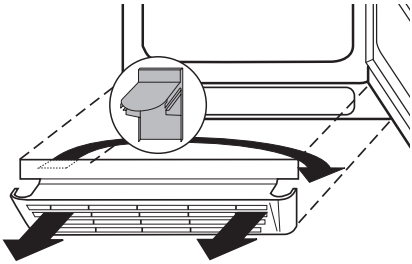
Warning: Under no circumstances should the appliance be connected to electronic "power saving plugs" or to a.c.-d.c. converters which convert direct current to 230 V alternating current (e.g., solar installations, ship networks)

Reversing The Door

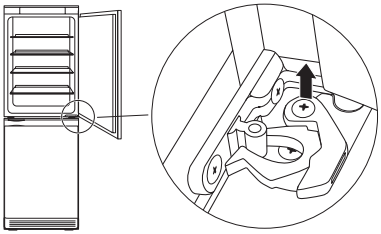
The door hinges can be changed from right (as supplied) to left if required to suit the location where the appliance is installed.

Warning! Unplug from the mains, before reversing the door.

☞ **1.** Open the freezer compartment door and remove the plinth to the front. Move the door bearing cover on the plinth from the left to the right.



2. Close the freezer compartment door. Open the fridge compartment door and unscrew the retaining screw for the self-closing mechanism on the top of the freezer compartment door.



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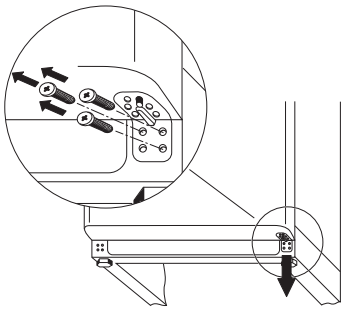
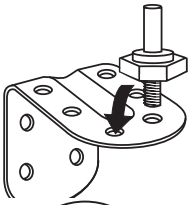
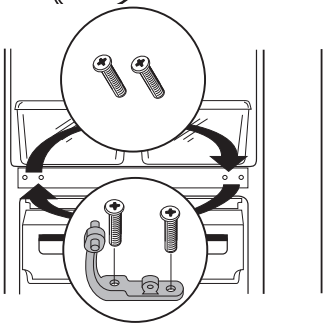
3. With the freezer compartment door closed, remove the cross-head screws from the lower door bearing and remove the door bearing downwards.



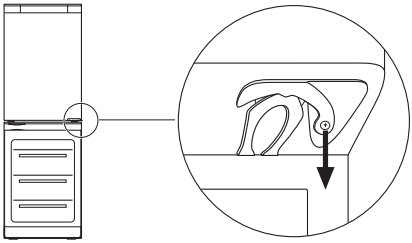
4. Move the bearing pivot from the right to the left hand hole. Remove the freezer compartment door carefully to the front and place on one side.



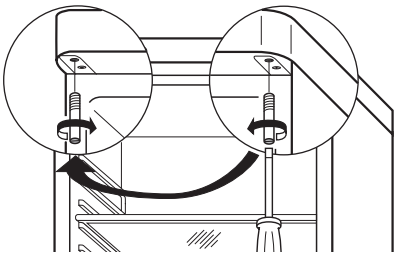
5. Unscrew the centre door bearing.
6. Remove the fridge compartment door carefully to the front and place on one side.



7. Unscrew the retaining screw for the self-closing mechanism on the bottom of the fridge compartment door.



8. Move the upper bearing pivot to the left.



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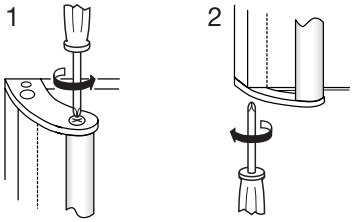
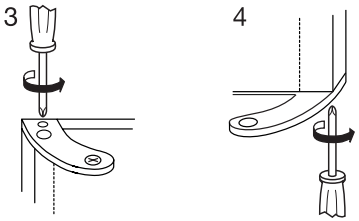
9. Unscrew the top handle bracket from the handle rod (1). Unscrew the bottom handle bracket from the door (2).

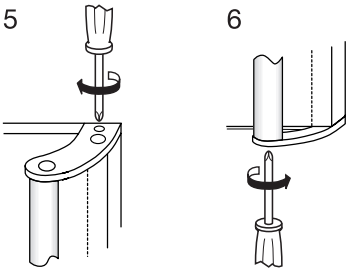


10. Unscrew the top handle bracket from the door (3) and screw onto the bottom right-hand side of the door (4).



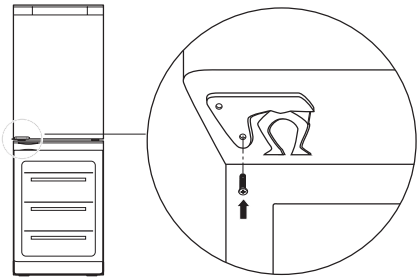
Caution! Do not overtighten the screws (max. 2 Nm) as you may damage the door handles.

11. Turn the handle bracket with the handle rod 180° and screw them to the door (5) and the fitted handle bracket (6).



Caution! Do not overtighten the screws (max. 2 Nm) as you may damage the door handles.

12. Fasten the self-closing mechanism to the bottom left of the fridge compartment door.



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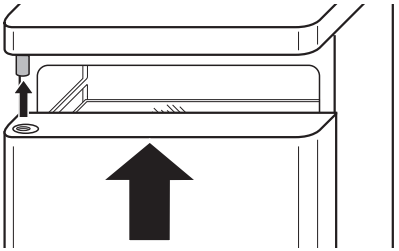
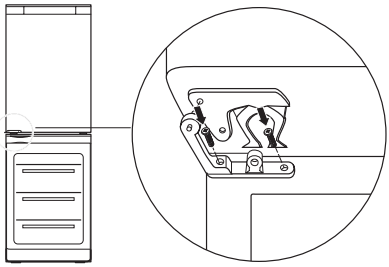
13. Carefully slide the fridge compartment door onto the top bearing pivot and close.

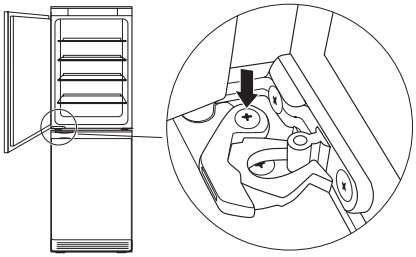


14. Slide the centre door bearing into the bottom left of the fridge compartment door and fasten to the housing.

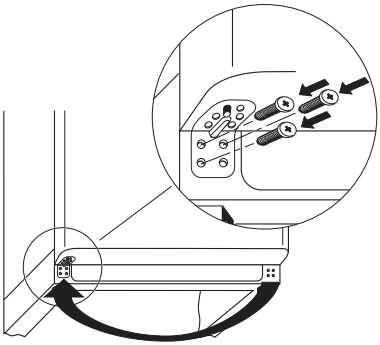


15. Fasten the self-closing mechanism on the top left of the freezer compartment door,

16. Carefully slide the freezer compartment door onto the centre bearing pivot and close.



17. Place the lower door bearing with the bearing pivot in the lower left of the freezer compartment door and fasten.



18. Open the freezer compartment door and fit the plinth.
Important: Do not damage door contact (if present).

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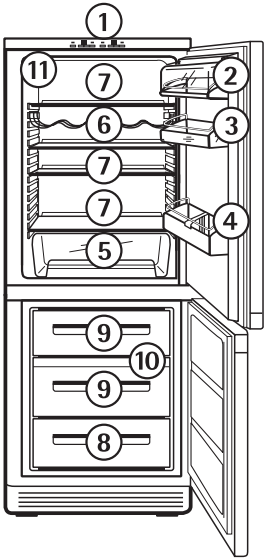
Appliance Description

View of Appliance

(various models)



① Control panel

② Butter and cheese compartment with lid

③ Door storage compartments

④ Bottle compartment

⑤ Fruit and vegetable drawer

⑥ Bottle rack

⑦ Shelves

⑧ Freezer drawer (only for storage)
When defrosting the bottom drawer also serves as a water collecting vessel.

⑨ Freezer drawer (for storage and freezing)

⑩ Freezer tray

⑪ Rating plate

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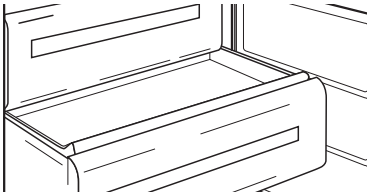
Freezer tray

A freezer tray is included below the upper drawer in the freezer compartment.

Berries and vegetables, for example, can be pre-frozen on the freezer tray.



Advantage: The berries are not squeezed and maintain their natural form. The frozen berries can then be stored in compartments or drawers packaged in individual portions.

Cold Accumulation Block

A cold accumulation block is enclosed with the appliance.

In the event of power failure or a malfunction of the appliance, the cold accumulation block will increase the hold over period by several hours. The cold accumulation block will be most effective when placed at the front of the upper freezer tray.
When defrosting the appliance place the cold accumulation block on top of the frozen food to keep it cold.

The block may also be used in a cool bag to keep the temperature of food down during transportation.

Refer to the section "Prior to Initial Start-Up" regarding the freezing of the cold accumulation block.

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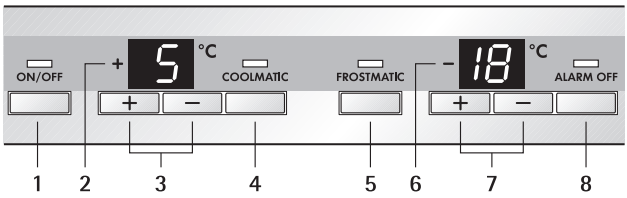
Control Panel



1 ON/OFF button and ON/OFF indicator light (green)
2 Temperature display for refrigerator
3 Temperature setting buttons for refrigerator
4 COOLMATIC button and COOLMATIC indicator light (yellow)
• COOLMATIC for intensive cooling in the refrigerator
5 FROSTMATIC button and FROSTMATIC indicator light (yellow)
• FROSTMATIC for fast freezing in the freezer compartment
6 Temperature display for freezer compartment
7 Temperature setting buttons for freezer compartment
8 ALARM OFF button and warning indicator light (red)
(see section: "Control and Information Systems")

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Temperature setting buttons

The temperature is adjusted using the „+" (WARMER) and „-" (COLDER) buttons.

These buttons are connected to the temperature display.

- The temperature display is switched over from the display of the ACTUAL temperature (Temperature display is illuminated) to the display of the DESIRED temperature (Temperature display flashes) by pressing one of the two buttons, „+" (WARMER) or „-" (COLDER).
- Each time one of the two buttons is pressed again the DESIRED temperature is adjusted by 1 °C.
- If neither button is pressed, the temperature display automatically switches back after a short period (approx. 5 sec.) to the display of the ACTUAL temperature.

DESIRED temperature means:
The temperature that has been selected for inside the fridge or the freezer compartment. The DESIRED temperature is indicated by flashing numbers.

ACTUAL temperature means:
The temperature display indicates the current temperature inside the fridge or the freezer compartment. The ACTUAL temperature is indicated with illuminated numbers.

Once the COOLMATIC- or the FROSTMATIC function has been switched on the DESIRED temperature that was set originally for the fridge or the freezer cannot be changed.

Temperature Displays

The temperature displays shows several types of information.

- During normal operation, the temperature currently present in the fridge or the freezer compartment (ACTUAL temperature) is displayed.
- When the temperature is being adjusted a flashing display indicates the fridge or the freezer compartment temperature currently set (DESIRED temperature).
- If there is a fault in the appliance the temperature display shows:
  - a square or a letter in the temperature display of the fridge for a fault in the fridge,
  - a square or a letter in the temperature display of the freezer for a fault in the freezer.

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ALARM OFF button

With the ALARM OFF button, the acoustic warning signal can be switched off, e.g. the "Open Door" warning when sorting in or out, the food to be chilled or frozen.

When there is a temperature warning for the freezer compartment, if the ALARM OFF button is activated, the temperature display will show the warmest temperature the frozen food has reached.

Prior to Initial Start-Up

Before connecting the appliance to the mains and putting it into operation for the first time, leave the appliance to stand for 30 minutes if was transported upright. After transport on its side, the appliance must be left to stand for 2 hours before putting it into operation. This is necessary to allow the oil to flow back into the compressor. Otherwise the compressor may be damaged.

☞ **1.** Please clean the appliance interior and all accessories prior to initial start-up (see section: "Maintenance and Cleaning").

2. The appliance must be correctly installed in accordance with the chapter "Installation" before it is put into operation for the first time. Care should be especially taken that the mains voltage and frequency available correspond with the appliance's rating plate.

3. Remove the cold accumulation block from the appliance.

4. Place the cold accumulation block into a drawer only after the optimal storage temperature of -18 °C has been reached, and allow to freeze.

5. After 24 hours place the cold accumulation block at the freezer tray or at the front of the upper drawer.

6. Re-freeze the thawed cold accumulation block in the same fashion, e.g. after cleaning the appliance.

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Initial Start-Up

☞ **1.** Insert plug into mains socket.

2. Press the ON/OFF button.
The green power indicator lights up. A warning tone sounds and the flashing red warning light indicates that the required storage temperature has not yet been reached. The temperature displays shows the current, actual refrigerator and freezer temperature. The compressor will start and then run automatically.

3. Press the ALARM OFF button to switch off the warning tone.

4. Set the refrigerator to the desired temperature (see section: "Temperature Adjustment").

i Goods to be refrigerated can be loaded immediately after switching on, because the storage temperature in the refrigerator is quickly reached.

5. Set the freezer temperature to -18 °C or colder (see section: "Temperature Adjustment").

i Do not load freezer with goods until a temperature of -18 °C has been reached, or until the red warning indicator light has gone out.

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Temperature Adjustment

With the individual temperature setting buttons the desired temperatures in the refrigerator and in the freezer compartment can be adjusted independently of one another.

☞ **1.** Press either the „+“ (WARMER) or „-“ (COLDER) button for the refrigerator or freezer compartment .
The temperature display switches over and the DESIRED temperature currently set flashes on the temperature display.

2. To adjust to a warmer temperature, press the „+“ (WARMER) button. To adjust to a colder temperature, press the „-“ (COLDER) button. The changed setting is immediately displayed on the temperature display.

Each time the button is pressed the temperature is adjusted by 1 °C.

Adjustable temperature range for the freezer compartment:
-15 °C to -24 °C.

Adjustable temperature range for the refrigerator compartment:
+2 °C to +8 °C, +15 °C (Holiday mode)

Note: From a food science point of view, +5 °C for the refrigerator compartment and -18 °C for the freezer compartment should be considered cold enough as a storage temperature.

3. When the buttons are not further pressed after an adjustment has been made, after a short period (approx. 5 sec.) the temperature display switches over and again displays the ACTUAL temperature in the refrigerator compartment. The display changes from flashing to illuminated numbers.

When the setting is changed, the compressor does not start immediately if automatic defrosting is currently taking place.

Important! Please check red warning indicator light and temperature display regularly to assure maintenance of the storage temperature.

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COOLMATIC/FROSTMATIC

COOLMATIC

The COOLMATIC function is suited for quick cooling of large quantities of goods in the refrigerator, e.g. drinks and salads for a party or wedding.

☞ **1.** The COOLMATIC function is switched on by pressing the COOLMATIC button. The yellow light illuminates.
The COOLMATIC function now provides for intensive cooling. A DESIRED temperature of +2 °C is automatically selected. The COOLMATIC function is ended automatically after a period of 6 hours. The originally selected DESIRED temperature is again valid. The temperature display shows the ACTUAL refrigerator temperature.

2. The COOLMATIC function can be ended manually at any time by pressing the COOLMATIC button again. The yellow light goes out.

FROSTMATIC

The FROSTMATIC function provides for quick freezing of fresh food products, and at the same time protects previously stored goods against undesired warming in the freezer compartment.

☞ **1.** The FROSTMATIC function is switched on by pressing the FROSTMATIC button. The yellow light illuminates.

2. The FROSTMATIC function can be ended manually at any time by pressing the FROSTMATIC button again. The yellow light goes out.
If the FROSTMATIC function is not ended manually, the appliance electronics switch off the FROSTMATIC function after approx. 50 hours. The yellow light goes out.

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Switching the Appliance Off

Refrigerator and freezer compartments can be switched off independently of one another.

☞ **1.** To switch off the appliance, hold down the ON/OFF button. This will result in a countdown from "3" to "1" taking place in the temperature displays. On reaching "1" the fridge and freezer compartment will switch off. The temperature displays will go off.

Switching off the refrigerator:

☞ **1.** To switch off the refrigerator, hold down the "+" button for the refrigerator until „OF" is shown in the temperature display. Then again press and hold down the "+" button. After a short time a countdown from "3" to "1" is taking place in the temperature display for the refrigerator. On reaching "1" the refrigerator will switch off. The temperature display will go off.

Switching off the freezer:

☞ **1.** To switch off the freezer, hold down the "+" button for the freezer until „OF" is shown in the temperature display. Then again press and hold down the "+" button. After a short time a countdown from "3" to "1" is taking place in the temperature display for the freezer. On reaching "1" the freezer will switch off. The temperature display will go off.

The appliance is only completely disconnected from the electricity supply when the power plug has been removed from the power outlet.

Note:

The appliance cannot be switched on or off if unplugged, or if there is no power being supplied to it.
Following connection to the mains power supply, the appliance returns to the same operating state as before the interruption of main power.

If the appliance is not to be used for an extended period:

☞ **1.** Switch appliance off by pressing and holding the ON/OFF button (see above).

2. Remove the mains plug or switch off.

3. Defrost freezer compartment and clean thoroughly (see section: "Maintenance and Cleaning").

4. Leave the doors open after defrosting to avoid accumulation of odours.

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Holiday Mode

In the holiday mode the temperature for the refrigerator is approximately +15 °C. In the holiday mode it is therefore possible to leave the door of the empty refrigerator closed during periods of extended absence. Advantage: Unintentional closing of the door, or accidental closing of the door by persons who have access to your home during your absence, is no longer possible. Without the holiday mode leaving the door closed would lead to the accumulation of odours and mould.

After emptying and cleaning the appliance, proceed as follows:

☞ **1.** To set the holiday mode, press the „+" (WARMER) or „-" (COLDER) button.
The temperature display will change and indicate in flashing numbers the DESIRED temperature that is currently set.

2. Press the „+" (WARMER) button until the temperature display indicates H (for holiday). The temperature shown in the temperature display will change in steps of 1 °C until it reaches +8 °C. After +8 °C the value +15 °C will appear in the display with the letter H. The fridge is now operating in energy-saving holiday mode.

To switch the fridge back to normal operation, press the „-" (COLDER) button.

Important! Do not store any goods in the refrigerator when the holiday mode is in operation. The temperature is regulated at about +15 °C when the holiday mode is in operation. This is too warm for food products.

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Control and Information Systems

The control and information systems consist of a temperature display, an optical warning indicator light and an acoustic warning.
The system warns if:
– when first switching on the appliance (when the storage temperature has not yet been attained);
– when the appliance doors are open
– the temperature in the refrigerator or freezer compartment is too high;
– functional disturbances at the appliance.

"Open Door"-Warning

If the fridge or freezer door is left open the red warning indicator light will flash and an acoustic warning tone will sound
– after approx. 80 seconds if the freezer door is left open
– after approx. 5 minutes if the fridge door is left open
If you need more time to load or rearrange refrigerated or frozen foods, you can switch off the warning tone by pressing the ALARM OFF button.
If the doors are still left open the warning tone will sound again at the end of the appropriate period of time.
The red warning indicator light will go off when the doors are closed.

Temperature Warning

For the fridge:
The red warning indicator light flashes and a warning tone sounds as soon as the temperature in the fridge rises to more than +11 °C.

☞ **1.** You can switch off the warning tone using the ALARM OFF button.

The warning indicator light and warning tone switch themselves off automatically when the temperature in the fridge drops to below +12 °C.

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For the freezer:

The red warning indicator light flashes and a warning tone sounds as soon as the temperature in the freezer rises to more than -12 °C. In addition the freezer temperature display flashes.

☞ **1.** You can switch off the warning tone using the ALARM OFF button. The freezer temperature display stops flashing and displays the warmest temperature that has been reached in the freezer during the temperature alarm. After approx. 5 seconds the temperature display reverts to the current freezer temperature.

The warning tone switches itself off automatically if the temperature in the freezer falls to lower than -11 °C. The red warning indicator light and the temperature display continue to flash.

If the possibility of partial or complete thawing exists, you should check the quality of the foods.

A rise in temperature may be caused by:

- frequent door opening for long periods of time;
- loading with large quantities of warm foods;
- high ambient temperature;
- an error with the appliance.

Function Errors

If the electronics in the appliance detects a technical defect that has to be rectified by the customer, the temperature display indicates:

- a square or a letter in the temperature display of the fridge for a fault in the fridge,
- a square or a letter in the temperature display of the freezer for a fault in the freezer.

Opening the Freezer Compartment Door

If the freezer compartment door is closed when the appliance is in operation, it is possible that it cannot be immediately opened again. A vacuum occurs in the freezer compartment which holds the door closed until pressure has been equalised. The door can be opened again after several minutes.

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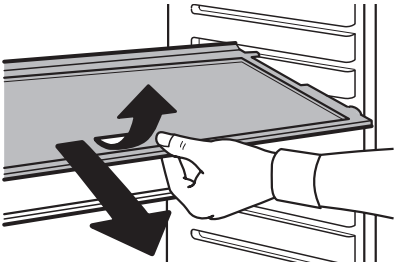
Interior Accessories

Storage Shelves

A storage shelf must be inserted into the lower guide track above the fruit and vegetable drawers. It must always remain in this position, so that fruits and vegetables remain fresh longer.

The remaining storage shelves can be adjusted to various heights:



☞ **1.** Pull the storage shelf forward until it can be tipped up or down and removed.

2. To insert at a different height use the same procedure in reverse.

Adjustment for tall items:

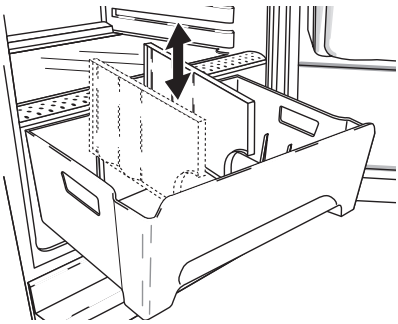
☞ **1.** Remove the front half of the two-part vario glass storage shelf and insert it at a different level. Space is then gained for storage of tall items on the storage shelf below.

Variable Inner Door

The door compartments can be pulled up and removed, and inserted at other positions as needed.

Salad bin

The salad bin can be divided into sections by inserting the dividers.



☞ **1.** Insert the large divider in the middle or to the left side of the salad bin as required.

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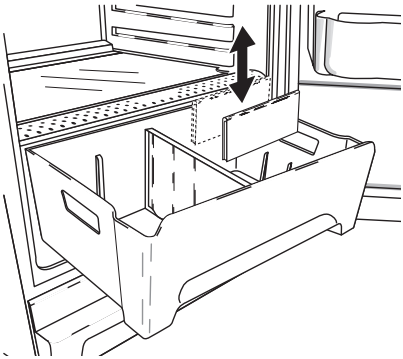
2. If the large divider is inserted in the middle of the drawer the right hand side can be further divided by inserting the small divider in the middle or rear position.



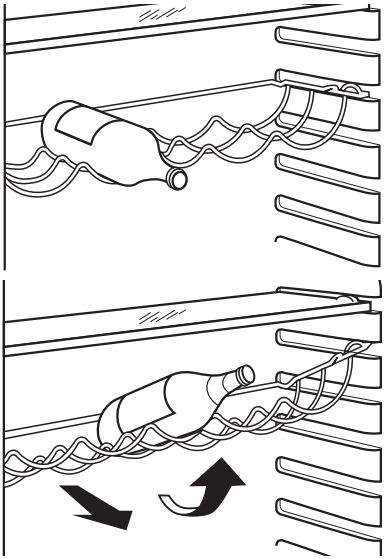
The ventilation grille above the salad bin improves air circulation so that groceries keep for longer.

Bottle rack

Place bottles in the rack with the bottleneck to the front.

Important: Only store unopened bottles horizontally.

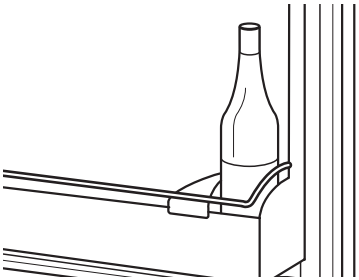
The bottle rack can be tilted for storing opened bottles.



1. To do this pull the bottle rack forward until it can be tilted upwards, then slide the front support into the next level up.

Bottle Holder

Some models are equipped with a bottle holder in the bottle compartment. This is used to prevent individual bottles from falling over and can be slid sideways.



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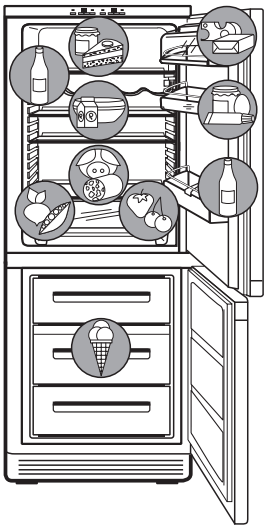
Correct storage



For physical reasons, the refrigerator compartment has different temperature zones. The coldest zone is on the lowest storage shelf immediately above the fruit and vegetable drawers. Warmer zones are the upper storage shelves and door racks. The arrangement (see fig.) indicates where different types of food are best stored to make the most of temperature variations.

For instance, the shelf immediately above the fruit and vegetable drawers should be 5 °C for safe storage of meat and fish products. In order to check that the appliance is at 5 °C on the lowest shelf you can carry out the following test yourself:

☞ **1.** Place a cup of water in the centre of the said shelf with a thermometer inside.

2. Leave the fridge door closed overnight and check the temperature first thing in the morning.

3. At this point the temperature should read no more than 5 °C; if it does, you need to adjust the temperature regulator to a colder setting.

Tip: Food stored in the refrigerator compartment should always be covered or packed so that they do not dry out, lose their flavour, or transfer their flavour to any other refrigerated food. The following are suitable for packing:
– polyethylene bags;
– plastic containers with lids;
– special plastic covers with rubber retainers;
– aluminium foil.

To obtain the best performance from your refrigerator/freezer:

- Do not store warm food or evaporating liquids.
- Do not store food uncovered.
- Keep the time between buying chilled food and placing it in your freezer as short as possible.
- Do not push food together too much, try to allow air to circulate around each item.

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Freezing

Except for the bottom drawer, which serves only for storage purposes, all compartments and drawers in the freezer compartment are suitable for freezing fresh food.

Warning!

- Before foods are frozen, the actual temperature in the freezer compartment must be -18 °C or colder.
- Please observe indicated freezing capacity on the rating plate. The freezing capacity represents the maximum amount of fresh goods that can be frozen within 24 hours. If you freeze goods on several days, one after the other, freeze amounts equal to 2/3 to 3/4 of the capacity indicated on the rating plate.
- When freezing large quantities of food, place the frozen freezing accumulator at the front into the top compartment in the freezing chamber.
- Thawed foods which have not been processed further (cooked into meals) may not under any circumstances be frozen a second time.

☞ **1.** For freezing the maximum capacity press the FROSTMATIC button 24 hours prior to freezing, or 4 to 6 hours for smaller quantities. Yellow indicator lights up.

ⓘ The FROSTMATIC button need not be pressed for freezing of small quantities of up to 3 kg.

2. All foods must be packed air tight prior to freezing, so that they do not dry out or lose their flavour, and so that no flavour contamination of other frozen goods occurs.
Caution! Do not touch frozen goods with wet hands. Hands can freeze to the goods.

3. Place packaged goods in the drawers. Unfrozen goods may not come into contact with already frozen goods, otherwise the frozen goods may start to thaw.

ⓘ The appliance electronics automatically switch the FROSTMATIC function off after a period of approx. 50 hours. Yellow indicator light goes out. You can also stop the FROSTMATIC function manually by pressing the FROSTMATIC button again.

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Tips:

- The following are suited for the packaging of frozen goods:
  – freezer bags and polyethylene wraps;
  – plastic containers for frozen foods;
  – extra-thick aluminium foil
- The following are suited for sealing bags and wraps:
  plastic clips, rubber bands or adhesive tape.
- Press air out of bags and wraps before sealing, because air encourages drying of frozen goods.
- Make flat packages, because these freeze more quickly.
- Do not fill plastic containers for frozen foods to the brim with liquid or paste-like goods, because liquids expand during freezing.

Frozen Storage

Warning! Before initial loading of the freezer compartment with previously frozen goods, the required storage temperature of -18 °C must be reached.

- Load freezer only with packaged frozen goods, so that they do not dry out or lose their flavour, and so that no flavour contamination of other frozen goods can occur.
- Please observe maximum storage times and expiry dates of frozen goods.

When possible store frozen goods separately according to type in drawers.

Storage Goods Symbols/Freezing Calendar

- The symbols on the drawers show different types of frozen goods.

- The numbers indicate storage times in months for the appropriate types of frozen goods. Whether the upper or lower value of the indicated storage time is valid depends on the quality of the foods and pre-treating before freezing. The lower value applies to foods with high fat content.

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Preparation of Ice Cubes

☞ **1.** Fill ice cube tray 3/4 full with cold water and place in the freezer tray or a drawer and allow to freeze.

2. To remove the finished ice cubes twist the ice cube tray or hold under running water for a short time.
Warning! Do not, under any circumstances, free an ice tray which is frozen to the appliance with pointed or sharp edged objects. Use a spoon-handle or similar object.

Energy Saving Advice

- Do not install the appliance close to sources of heat, such as a cooker, dishwasher or radiator.
- Locate the appliance in a cool well ventilated room and make sure that the air openings of the appliance are not obstructed.
- Always leave warm food to cool down to room temperature before placing in the freezer.
- Try to avoid keeping the door open for long periods or opening the door too frequently as warm air will enter the cabinet and cause the compressor to switch on unnecessarily often.
- Ensure there are no obstructions preventing the door from closing properly.
- Place frozen goods into the refrigerator for thawing. Cold from frozen goods is thus used for cooling in the refrigerator.
- Always keep the condenser at the back of the appliance clean.

Defrosting

The refrigerator is defrosted automatically

The electronics start the defrosting cycle in the refrigerator as needed based on economical energy use and the maintenance of a constant temperature. Defrosting cycles are started more or less often, depending on the degree of moisture accumulation. Because the greatest accumulation of moisture occurs when the door is open, the frequency of defrosting cycles is determined by frequency and duration of door opening.
The water collects in the discharge trough at the back wall of the refrigerator, and is fed through the discharge opening in the catch tray at the compressor where it is evaporated.

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Freezer Compartment Defrosting

Moisture is precipitated in the form of white frost in the freezer compartment during operation and when the door is opened, especially in the middle at the top. Remove this white frost from time to time with a soft plastic scraper, e.g. a dough scraper. Do not under any circumstances use hard or pointed objects for this purpose.

The appliance should be defrosted when the thickness of the white frost has reached about 4 mm; but at least once a year in any case. A convenient time for defrosting is any time when the appliance is empty, or only minimally loaded.

Warning!

- Do not use electrical heating appliances or any other mechanical or artificial devices to speed up the defrosting process, with the exception of those recommended in these operating instructions.
- Do not use defrosting sprays, because they may be health endangering and/or contain substances damaging to plastics.

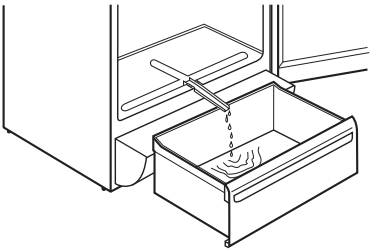
☞ **1.** About 12 hours prior to defrosting push the FROSTMATIC button, in order to build up sufficient chill reserve for the interruption in operation.

Caution! Do not touch frozen goods with wet hands. Hands can freeze to the goods.

2. Remove frozen goods, pack them in several layers of newspaper, cover them and store them in a cool place.

3. Switch off refrigerator and freezer and remove plug from the mains, or disconnect from the electricity supply.

4. Remove all the drawers. Place the bottom drawer directly in front of the appliance to collect the water from defrosting. Take out the water drain spout from its resting position at the bottom of the freezer compartment and place it as shown.



Tip: In order to speed up the defrosting process, place a pot of hot water in the freezer compartment. In addition, remove pieces of ice that break away before defrosting is complete.

5. After defrosting thoroughly clean the freezer interior, as well as interior accessories (see section: "Maintenance and Cleaning").

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Maintenance and Cleaning

Before any maintenance or cleaning work is carried out DISCONNECT the appliance from the ELECTRICITY supply.

Warning!

- Do not use detergents, abrasive powders, highly perfumed cleaning products, wax polishes or cleaning products containing bleach or alcohol.
- Never clean the appliance with a steam cleaner. Moisture could accumulate in electrical components, danger of electrical shock! Hot vapours can lead to the damage of plastic parts.
- The appliance must be dry before it is placed back into service.

Attention!

- Ethereal oils and organic solvents can attack plastic parts, e. g.
  - lemon juice or the juice from orange peals;
  - butyric acid;
  - cleansers which contain acetic acid.
    Do not allow such substances to come into contact with appliance parts.
- Do not use any abrasive products.

Internal Cleaning

If the refrigerator only is to be cleaned, press the FROSTMATIC button several hours in advance, in order to build up sufficient chill reserve in the freezer compartment for the interruption in service. Do not open the freezer compartment door.

☞ 1. About 12 hours prior to defrosting push the FROSTMATIC button, in order to build up sufficient chill reserve for the interruption in operation.

Caution! Do not touch frozen goods with wet hands. Hands can freeze to the goods.

2. Remove frozen goods, pack them in several layers of newspaper, cover them and store them in a cool place. Place the cold accumulation block on top of the frozen food to keep it cold.
3. Switch off refrigerator and freezer and remove plug from the mains, or switch off or turn out the circuit breaker or the fuse.
4. Defrost the freezer compartment (see section: "Defrosting").

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5. Clean the inside and accessories with warm water and bicarbonate of soda (5 ml to 0.5 litre of water).
6. Rinse and dry thoroughly.

To pull out the salad bin, lift it over the locks on the sliding rail. Tilt the drawer downwards and pull it out. Assemble in opposite order.

7. Regularly check the door seals and wipe clean to ensure they are clean and free from debris.
8. Regularly unblock the condensation water drainage hole in the rear wall of the refrigeration chamber with the aid of a piece of wire.

External Cleaning

Warning!

- There are sharp edges on the underside of the product so care should be taken when cleaning.

☞ 1. Clean the inside and accessories with warm water and bicarbonate of soda (5 ml to 0.5 litre of water).
2. Rinse and dry thoroughly.

Important: Do not use cleaning agents for stainless steel or other aggressive or abrasive cleaning agents. The protective coat of lacquer on the stainless steel surface can be damaged by these.

The coat of lacquer protects against finger prints and therefore additional cleaning agents and maintenance products are no longer required.

Accumulation of dust at the condenser increases energy consumption. For this reason carefully clean the condenser at the back of the appliance once a year with a soft brush or a vacuum cleaner.

3. After everything is dry place appliance back into service.

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Something not Working

Correcting Malfunctions

A malfunction may be caused by only a minor fault that you can rectify yourself using the following instructions. Do not perform any other work on the appliance if the following information does not provide assistance in your specific case.

Warning! Repairs to refrigerators/freezers may only be performed by qualified service engineers. Improper repairs can give rise to significant hazards for the user. If your appliance needs repairing, please contact your specialist dealer or our Customer Service.

Symptom	Possible Cause	Solution
No power to the appliance.	Appliance is not switched on.	Switch on the appliance.
	Mains plug is not plugged in or is loose.	Insert mains plug.
	Fuse has blown or is defective.	Check fuse, replace if necessary.
	Mains socket is defective.	Mains malfunctions are to be corrected by an electrician.
Appliance cools too much.	Temperature is set too cold.	Temporarily select a higher temperature setting.
The food is too warm.	Temperature is not properly adjusted.	Please look in the " Temperature Adjustment" section.
	Door was open for an extended period.	Open the door only as long as necessary.
	A large quantity of warm food was placed in the appliance within the last 24 hours.	Press the COOLMATIC and/or FROSTMATIC button. Turn the temperature regulator to a colder setting temporarily.
	The appliance is near a heat source.	Please look in the "Installation" section.

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Symptom	Possible Cause	Solution
Temperature display shows a square or a letter.	There is a function fault.	Please inform customer service. Do not open the doors of the appliance again.
Warning tone sounds, red warning indicator light and temperature display are flashing.	Temperature warning.	Please check in "Control and Information System" section.
Interior illumination does not function.	Light bulb is defective. Important: The interior lighting switches off automatically after 7 minutes.	Please refer to "Replacing the Light Bulb" section.
Water on the floor or on storage shelves.	Water drain hole is blocked.	See the "Maintenance and Cleaning" section.
Heavy build up of frost, possibly also on the door seal.	Door seal is not air tight (possibly after changing over the hinges).	Carefully warm the leaking sections of the door seal with a hair dryer (not hotter than approx. 50 °C). At the same time shape the warmed door seal by hand such that it sits correctly.
The compressor does not start immediately after changing the temperature setting.	This is normal, no error has occurred.	The compressor starts after a period of time.
Noise	Appliance is not level.	Readjust the front levelling feet. Refer to Normal Operating Sounds

If after the above checks there is still a fault, call your local AEG Service Force Centre.

In-guarantee customers should ensure that the above checks have been made as the engineer will make a charge if the fault is not a mechanical or electrical breakdown.

Please note that proof of purchase is required for in-guarantee service calls.

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Replacing the Light Bulb

For safety reasons the interior lighting switches off after 7 minutes when the door is open. It switches on again the next time the door is opened.

Warning! Danger of electrical shock! Before replacing the light bulb switch off the appliance and remove the mains plug.

Light bulb specifications: 220-240 V, max. 25 W, fitting: E 14

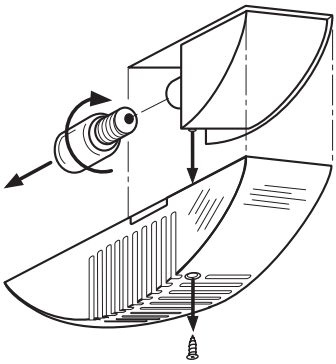
☞ **1.** To switch the appliance off press and hold the ON/OFF button.

2. Unplug the mains plug.

3. To change the light bulb, undo the cross head screw and remove the light bulb cover downwards.

4. Change the defective light bulb.

5. Refit the light bulb cover and the cross head screw.



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Normal Operating Sounds

The following noises are characteristic of refrigeration appliances:

- **Clicks**
  Whenever the compressor switches on or off, a click can be heard.
- **Humming**
  As soon as the compressor is in operation, you can hear it humming.
- **Bubbling/Splashing**
  When refrigerant flows into thin tubes, you can hear bubbling or splashing noises. Even after the compressor has been switched off, this noise can be heard for a short time.

Regulations, Standards, Guidelines

This appliance was designed for household use and was manufactured in accordance with the appropriate standards. The necessary measures in accordance with appliance safety legislation regulations (GSG), accident prevention regulations for refrigeration appliances (VBG 20) and the regulations of the German Society of Electrical Engineers (VDE) were observed in the manufacture of this appliance.
The refrigerant circuit has been checked for leaks.

CE This appliance is in accordance with the following EU guidelines:
– 73/23/EWG dated 19 February 1973 - low voltage guidelines.
– 89/336/EWG dated 3 May 1989
(including guideline change notice 92/31/EWG) - EMV guideline

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Technical Terminology

- **Refrigerant**
  Liquids that can be used to a generate a cooling effect are known as refrigerants. They have a relatively low boiling-point, indeed so low, that the warmth from the food stored in the fridge or freezer can cause the refrigerant to boil and vaporise.
- **Refrigerant Circuit**
  Closed circulation system that contains the refrigerant. The refrigerant circuit comprises primarily of an evaporator, a compressor, a condenser and pipe work.
- **Evaporator**
  The refrigerant is evaporated in the evaporator. Similar to all other liquids, refrigerant requires heat to evaporate. This heat is removed from the interior of the appliance, as a result the interior is cooled. The evaporator is therefore located inside the appliance or placed in foam immediately behind the inner wall and thus not visible.
- **Compressor**
  The compressor looks like a small drum. It is driven by a built-in electric motor and is mounted on the base of the appliance at the rear. The task of the compressor is to draw in vaporised refrigerant from the evaporator, to compress it, and to pass it on to the condenser.
- **Condenser**
  The condenser normally has the form of a grid. The refrigerant compressed in the compressor is liquefied in the condenser. During this process, heat is released to the surrounding air at the surface of the condenser. The condenser is mounted on the base of the appliance.

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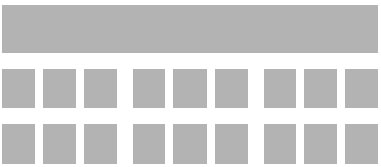
Customer Service

If you cannot find the remedy for a malfunction in these operating instructions, please contact your dealer or our customer service department. Addresses and telephone numbers are listed in the accompanying booklet "Guarantee Conditions/Service Departments".
Selective ordering of replacement parts can save unnecessary travel and costs. For this reason always provide the following appliance information:
This information can be found on the rating plate in the interior at the left of the appliance. We recommend that you enter this information here, so that it is handy if needed.

- Model Name
- Model Number (PNC)
- Serial Number (S-No.)



Note: The customer bears the costs of unjustified customer service calls even during the guarantee period.

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